

MULTIFUNCTION TRANSDUCER AND METHOD OF DRIVING

ABSTRACT OF DISCLOSURE

5 Multi-function transducers (130, 700) that are suitable for use in handheld
devices such as cellular telephones (100, 900) and are capable of emitting audio, and
generating accelerations of sufficient magnitude, and at frequencies that can be sensed
by tactile sensation and which exhibit resonant modes that are characterized by center
frequencies within a frequency range that can be sensed by tactile sensation, and
10 specifically located between two musical notes on a musical scale are provided.
Devices (100, 900) including such transducer are provided, and methods of operating
such transducers are provided.